FIG. 1A

FIG. 1B

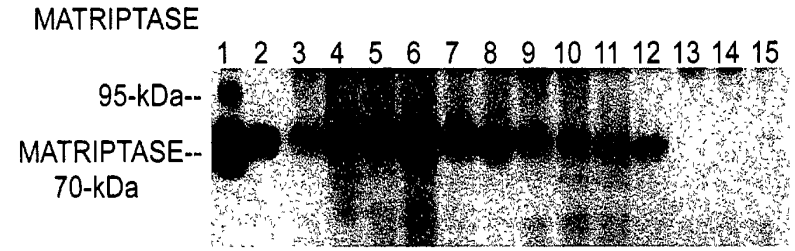

MATRIPTASE
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
95-kDa--
MATRIPTASE--
70-kDa

FIG. 2A

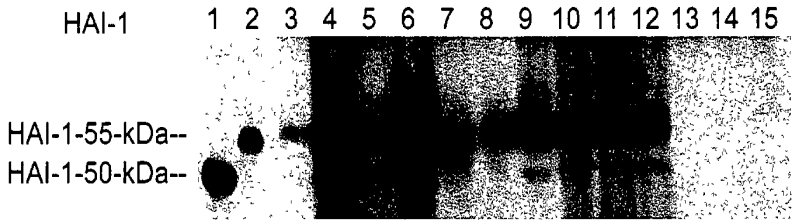

HAI-1
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
HAI-1-55-kDa--
HAI-1-50-kDa--

FIG. 2B

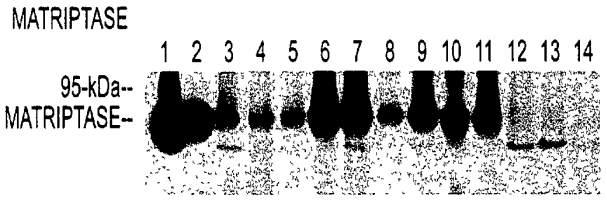


FIG. 3A

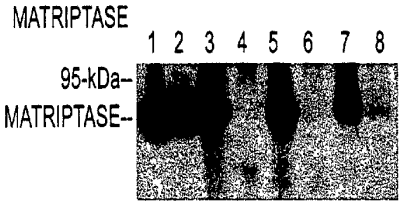


FIG. 3C

FIG. 3B

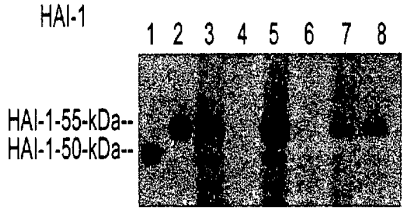


FIG. 3D

MATRIPTASE

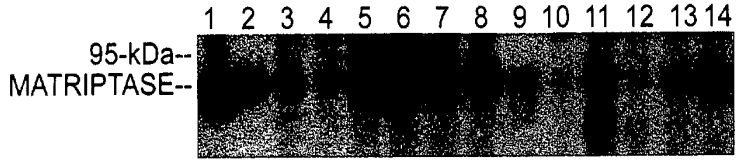


FIG. 4A

HAI-I

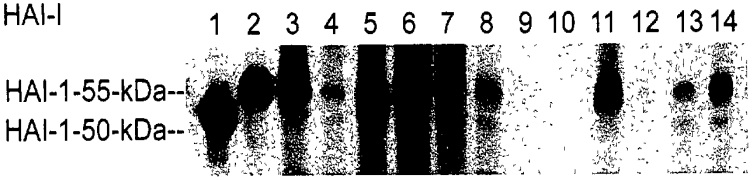


FIG. 4B

MATRIPTASE

INFILTRATING CARCINOMA 100X

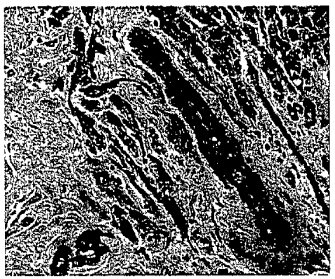


FIG. 5A

INFILTRATING CARCINOMA 400X

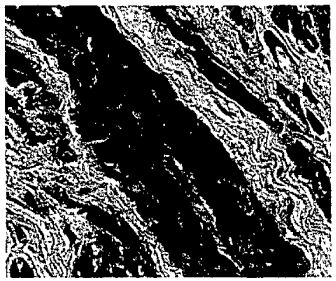


FIG. 5B

COLLOID CARCINOMA 400X

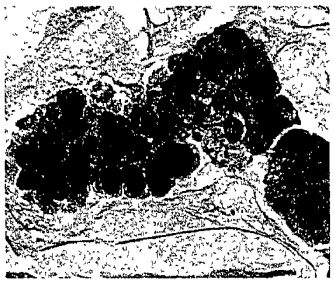


FIG. 5C

HAI-1

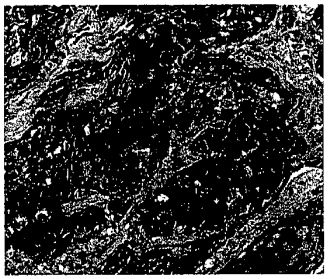


FIG. 5D

FIG. 5E

FIG. 5F

MATRIPTASE

20X

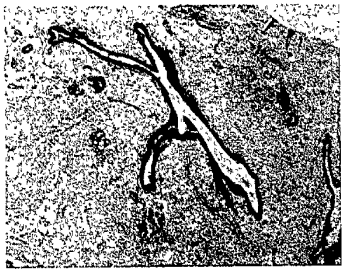


FIG. 6A

40X

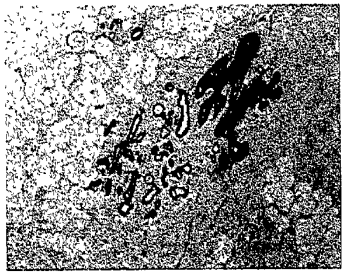


FIG. 6B

HAI-1

40X

FIG. 6C

200X

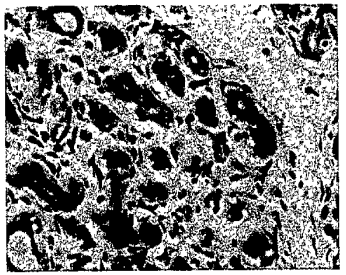


FIG. 6D

FIG. 7A

FIG. 7B

FIG. 7C

FIG. 7D

FIG. 8

EXPRESSION OF MATRIPTASE AND HAI-1 IN BREAST CANCER CELL LINES AND COMPARISON WITH MARKERS OF DIFFFERENTIATION AND *IN VITRO* INVASIVENESS.

CELL LINE	ER	MATRIPTASE	HAI-1	E-CADHERIN	ZO-1	VIMENTIN	*IN VITRO* INVASION*
A1N4	-	+	+	NA	NA	NA	NA
MCF-10A	-	+	+	NA	NA	NA	NA
MCF-7	+	+	+	+	+	-	+
T47D	+	+	+	+	+	-	+
ZR-75-1	+	+	+	+	-	-	+
BT-474	+	+	+	+	-	-	+
SKBR3	-	+	+	-	+	-	+
MDA-MB-468	-	+	+	-	-	-	+
MDA-MB-453	-	+	+	-	-	-	+
MDA-MB-157	-	-	-	-	NA	NA	NA
MDA-MB-436	-	-	-	-	+	+	++
MDA-MB-435	-	-	-	-	-	+	++
MDA-MB-231	-	-	-	-	-	+	+++
BT-549	-	-	-	-	-	+	+++
Hs578t	-	-	-	-	-	+	+++

FIG. 9

FIG. 10B

FIG. 10A

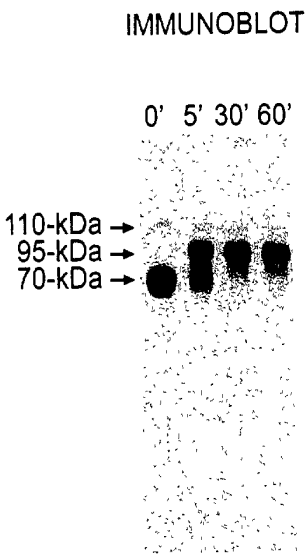
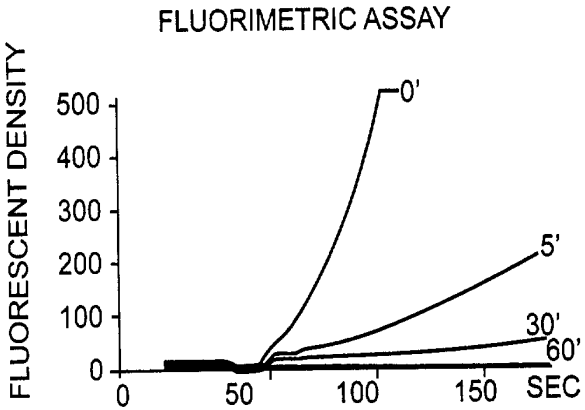


FIG. 11A

FIG. 11B



	CLEAVAGE RATE	RESIDUAL RATE
0 MIN.	725	100%
5 MIN.	114	18%
30 MIN.	17	2.3%
60 MIN.	13	1.8%

FIG. 11C

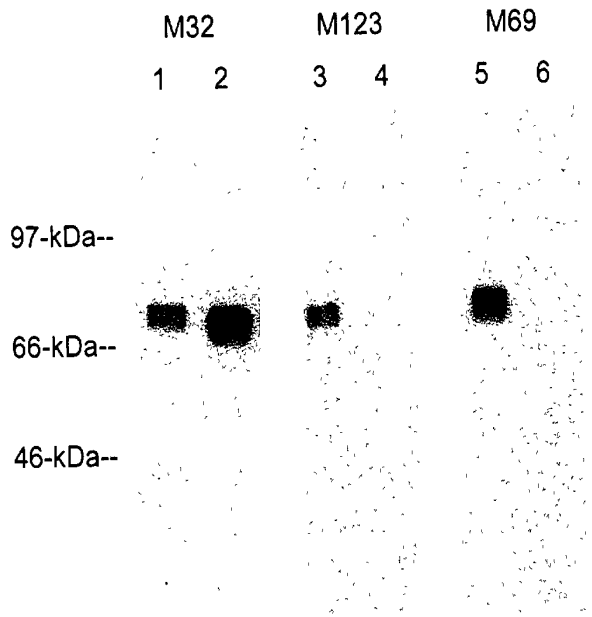


FIG. 12

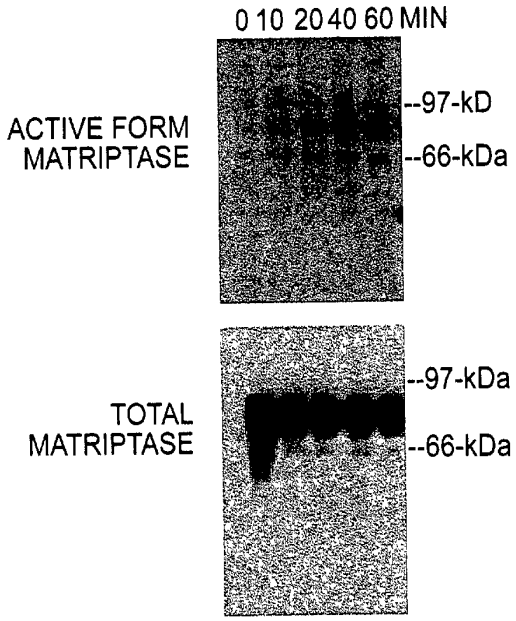


FIG. 13A

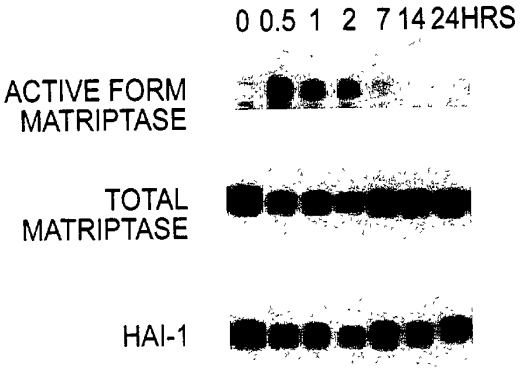


FIG. 13B

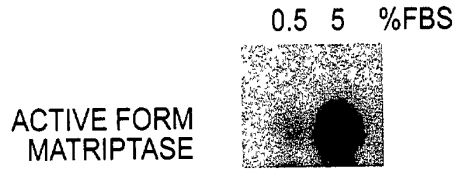


FIG. 13C

FIG. 14A

FIG. 14B

FIG. 14C

FIG. 14D

FIG. 14E

FIG. 15

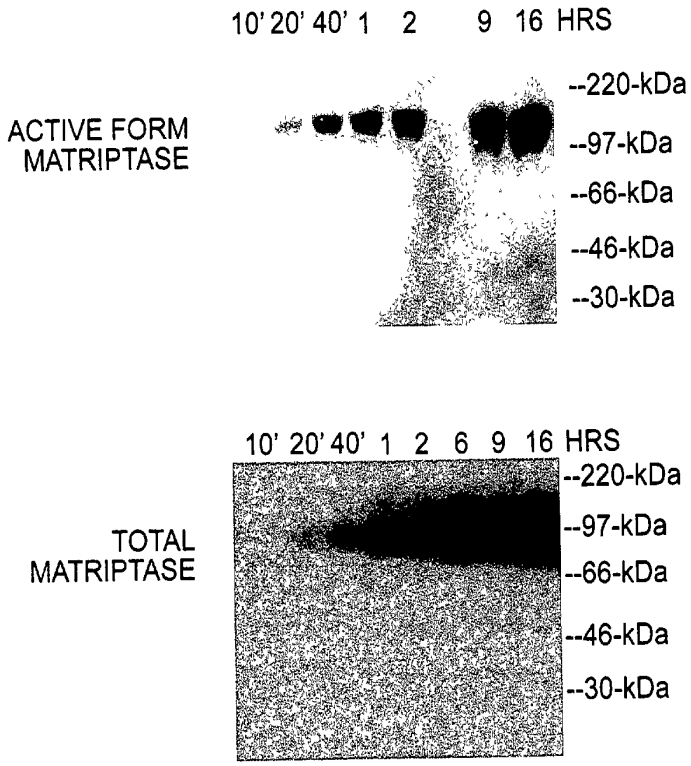


FIG. 16

FIG. 17B

FIG. 17A

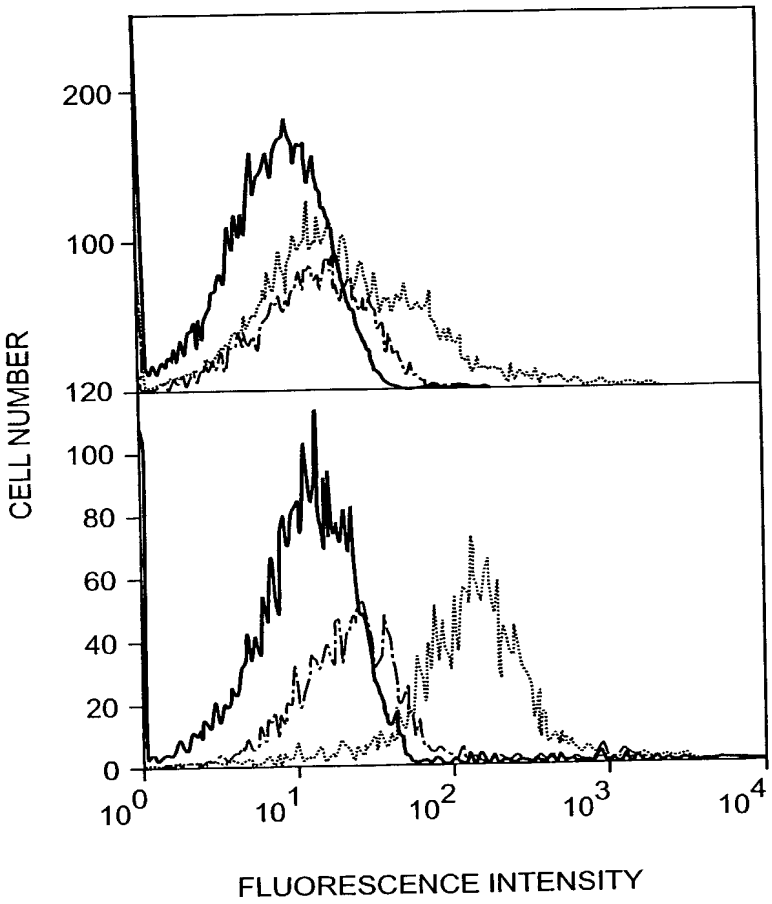


FIG. 18

MATRIPTASE

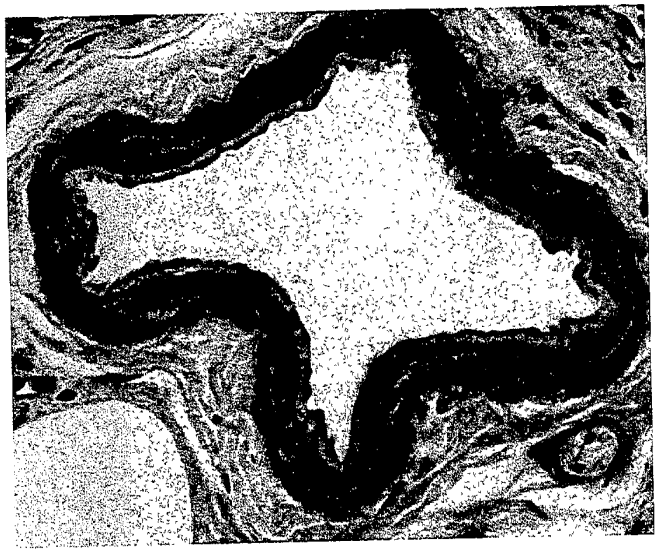


FIG. 19A

MOUSE IgG

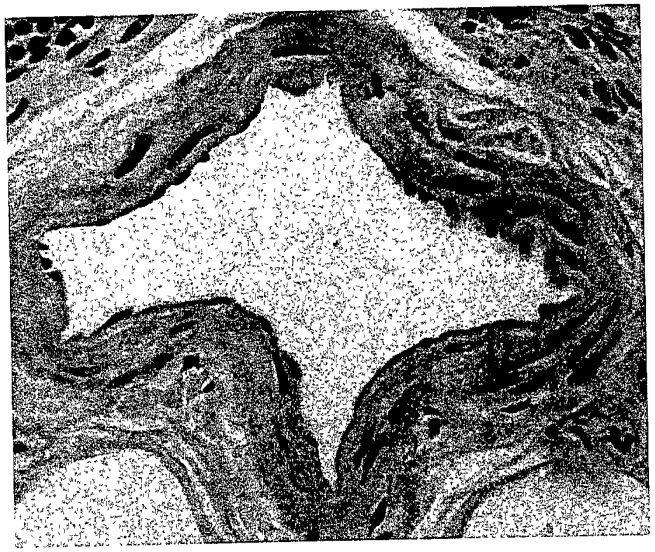


FIG. 19B

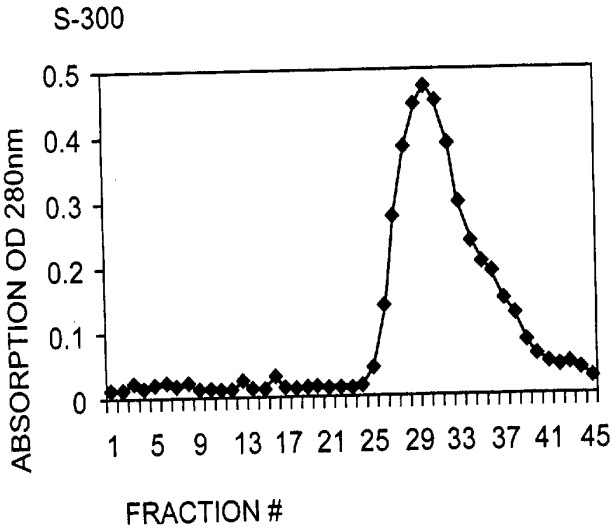


FIG. 20A

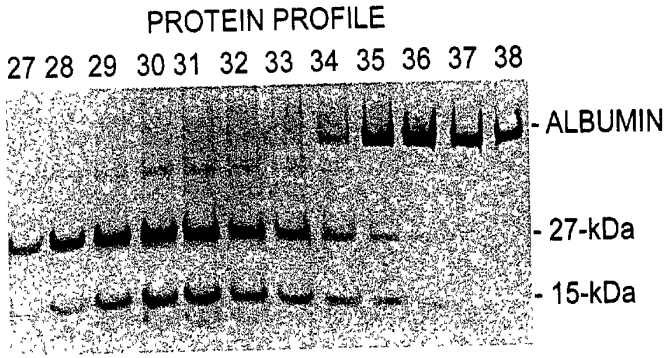


FIG. 20B

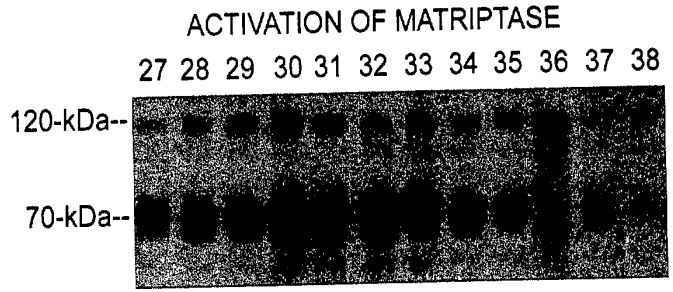
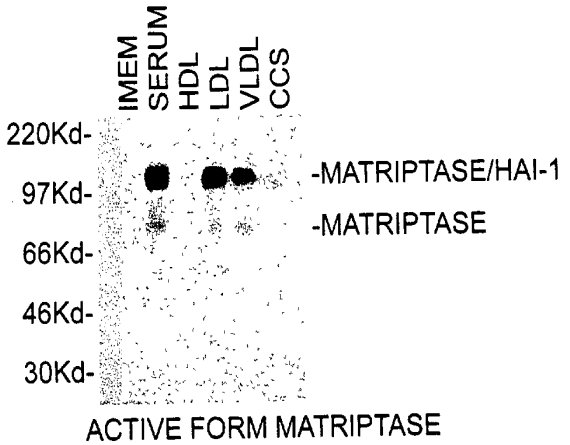


FIG. 20C



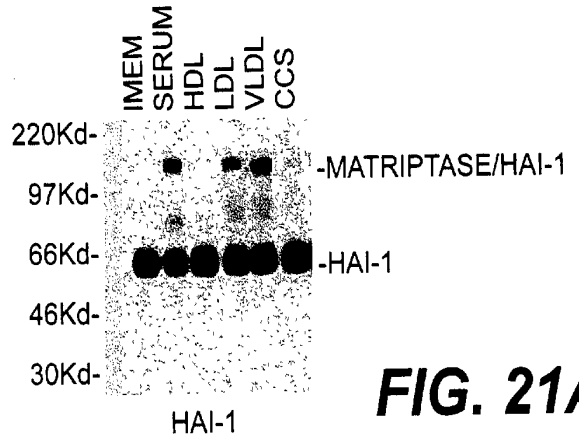


FIG. 21A

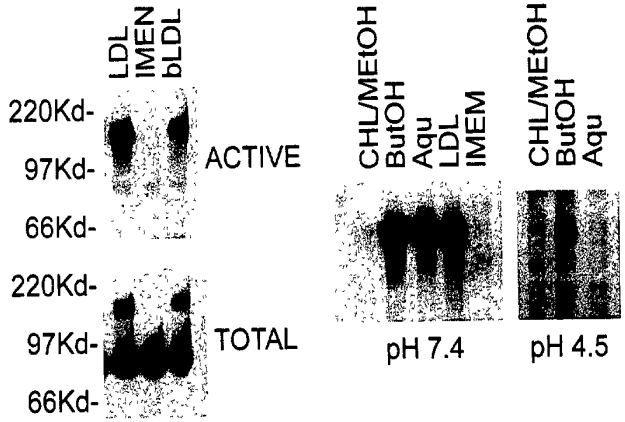


FIG. 21B

FIG. 21C

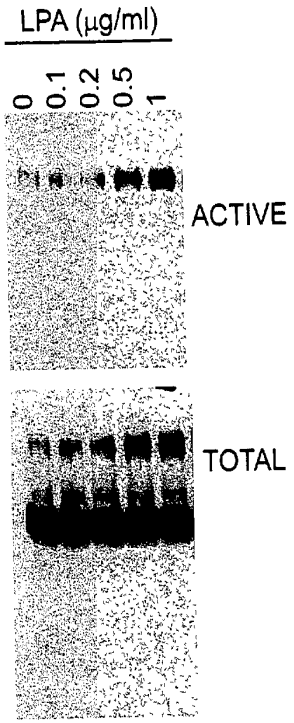


FIG. 22A

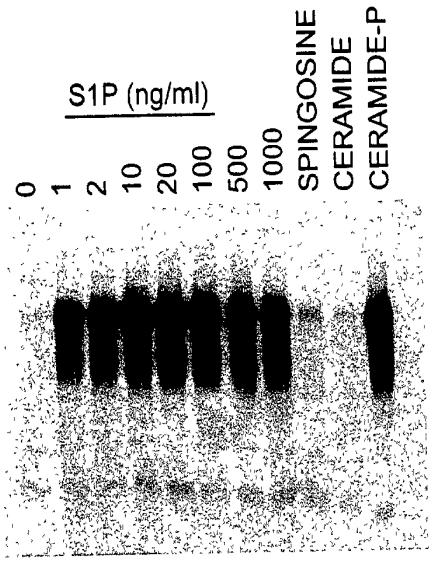


FIG. 22B

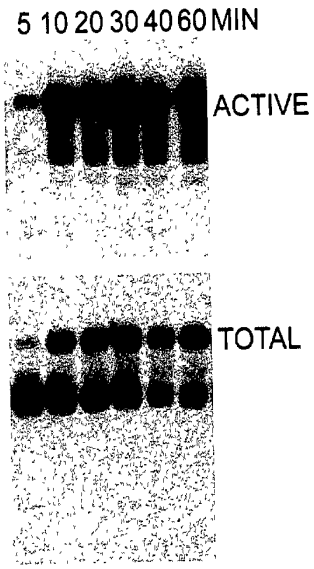


FIG. 22C

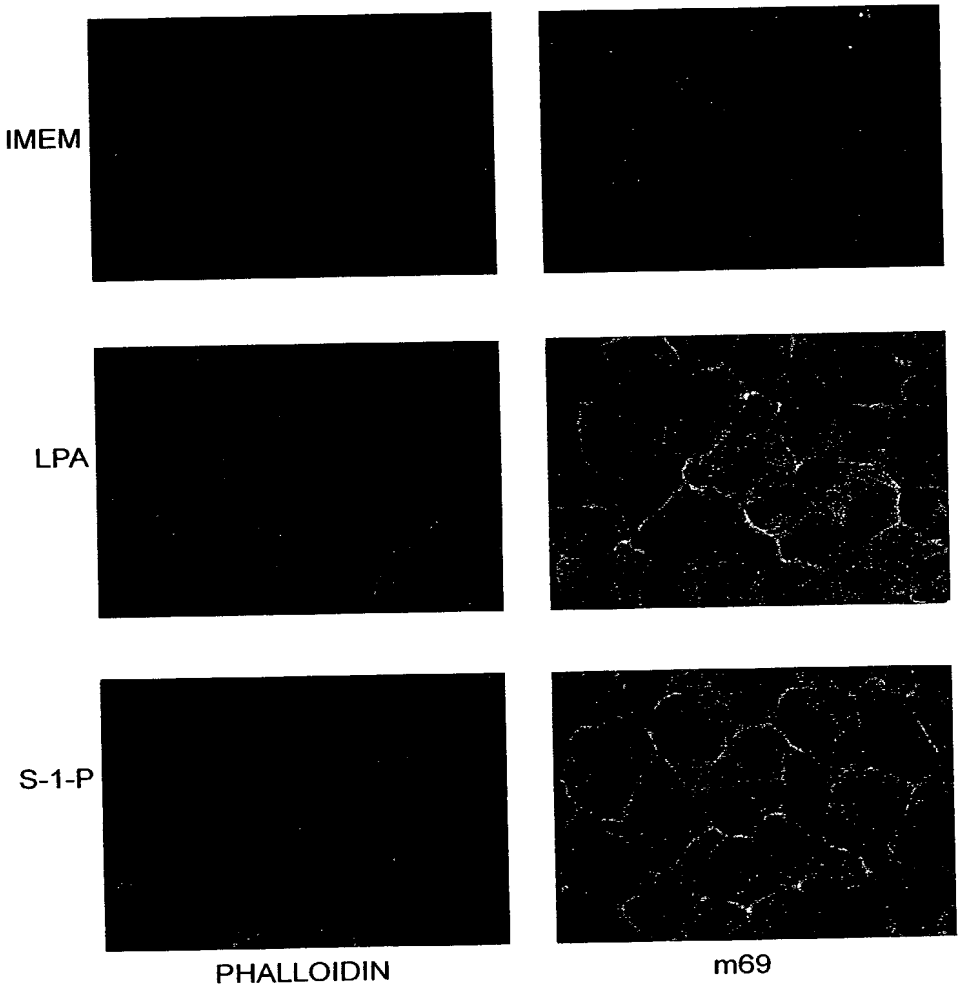


FIG. 23

	1 ng/ml	10ng/ml	100ng/ml	500ng/ml	1μg/ml	2μg/ml
LYSOPHOSPHATIDIC ACID	-	-	-	+/-	+	+
LYSOPHOSPHATIDIC CHOLINE	-	-	-	-	-	-
LYSOPHOSPHTIDY SERINE	-	-	-	-	-	-
LYSOPHOSPHATIDY INOSITOL	-	-	-	-	-	-
LYSOPHOSPHTIDYL ETHANOLAMINE	-	-	-	-	-	-
PHOSPHATIDIC ACID	-	-	-	-	-	-
PHOSPHATIDYL CHOLINE	-	-	-	-	-	-
SHINGOSINE 1 PHOSPHATE	+	+	+	+	+	+
SPHINGOSINE					-	
CERAMIDE					-	
CERAMIDE 1 PHOSPHATE	-	-	+/-	+	+	

FIG. 24